



A.D. 1870, 19th MARCH. N^o 819.

SPECIFICATION

OF

GEORGE WAKEFIELD FOX.

TREATING COD LIVER, CASTOR, AND
OTHER OILS.

LONDON:

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A.D. 1870, 19th MARCH. N° 819.

Treating Cod Liver, Castor, and other Oils.

LETTERS PATENT to George Wakefield Fox, of Manchester, in the County of Lancaster, Colliery Furnisher, for the Invention of "IMPROVEMENTS IN THE TREATMENT OF COD LIVER, CASTOR, AND OTHER MEDICINAL OILS IN ORDER TO RENDER THE SAME MORE PALATABLE."

Sealed the 17th June 1870, and dated the 19th March 1870.

COMPLETE SPECIFICATION filed by the said George Wakefield Fox at the Office of the Commissioners of Patents, with his Petition and Declaration, on the 19th March 1870, pursuant to the 9th Section of the Patent Law Amendment Act, 1852.

5 TO ALL TO WHOM THESE PRESENTS SHALL COME, I, GEORGE WAKEFIELD Fox, of Manchester, in the County of Lancaster, Colliery Furnisher, send greeting.

WHEREAS I am in possession of an Invention for "IMPROVEMENTS IN THE TREATMENT OF COD LIVER, CASTOR, AND OTHER MEDICINAL OILS IN ORDER
10 TO RENDER THE SAME MORE PALATABLE," and have petitioned Her most Excellent Majesty Queen Victoria to grant unto me, my executors, administrators, and assigns, Her Royal Letters Patent for the same.

NOW KNOW YE, that I, the said George Wakefield Fox, do hereby declare the nature of my said Invention, and in what manner the same

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is to be performed, to be particularly described and ascertained in and by the following statement, that is to say :—

My Invention relates to the cod liver oil, castor oil, or other oil employed for medicinal purposes, and consists of improvements in a former Invention for which Her Majesty's Royal Letters Patent have 5 been granted to me, the same bearing date the Sixteenth day of June, in the year of our Lord One thousand eight hundred and sixty-nine, the said former Invention consisting of a method of treating or preparing such of the oils as aforesaid as are specially intended to be swallowed, the object of the said treatment being to neutralise or disguise the 10 nauseous properties possessed in a greater or a lesser degree by all of the said oils and thereby to render the said oils more palatable. When carrying my said former Invention into effect I operate upon the said oil, as, for example, cod liver oil, either in its ordinary "commercial" state or after being more or less purified or refined by any of the 15 ordinary processes or by any process suitable to the subsequent treatment of the said oil. I take the said oil in either of the said forms or conditions, and I mix therewith a sweet syrup made from honey, sugar, malt, some descriptions of fruit, or from other saccheriferous materials capable of yielding a sweet and wholesome syrup, and I also mix 20 therewith a portion of fruit or vegetable acid, as, for example, citric or tartaric acid, lemon or lime juice, or other suitable acid, and I also mix therewith a portion of aromatic, essential oil, tincture, or essence such as will impart to the said mixture an agreeable flavour, as, for example, of lemon, citron, orange, cinnamon, cloves, aniseed, peppermint, or almond, 25 or in lieu of the oils, tinctures, or essences obtained from the natural spice or fruit I use artificial preparations, as, for example, the artificial essence of pine apple or of other fruit.

Now my present Invention consists in the first place in substituting for the above-mentioned fruit or vegetable acid a decoction, extract, 30 tincture, preparation, or substance, or decoctions, extracts, tinctures, preparations, or substances of a wholesome and tonic bitter nature as, for example, of quinine or sulphate of cinchonia, cinchonine, quassia, chirayta, gentian root, hop, or cammomile flowers, bitter orange peel, or wormwood. The bitter substance or substances or preparation or 35 preparations selected is or are to be combined with the other ingredients herein-before mentioned with the exception of the aforesaid fruit or vegetable acid in such proportions as shall be found to be suitable to

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effect the object of my said Invention as herein-before set forth, the proportions which I have found to be suitable when employing sulphate of cinchonia or quinine being somewhat as follows, namely, twenty ounces of syrup of sugar, (liquid measure); three grains of quinine or sulphate
5 of cinchonia; four drachms of essence of lemon or of citron; two drachms of oil of aniseed or cloves; and a small quantity, say about three drachms, of spirits of wine. The quinine may be dissolved either in the spirits of wine or in a suitable quantity of water, a quantity of sulphuric acid sufficient to cause the said quinine to dissolve being added to the
10 said water or spirit. I usually add the aforesaid mixture or a mixture similarly made from such substances or materials as herein-before mentioned to about an equal bulk of cod liver oil. When making a preparation of palatable castor oil a mixture made as aforesaid may be added to the said castor oil in the same proportions as when making a
15 preparation of cod liver oil or in other proportions as found to be suitable, but as the quinine or other bitter is not so necessary or advantageous in the case of the castor oil as in the case of the cod liver oil I prefer when making the said preparation of castor oil to dispense with the use of the quinine or other bitter, the mixture in such a case and before being
20 added to the oil consisting only of sweet syrup, spirits of wine, and one or more aromatic flavouring matters of the nature herein-before indicated. In the aforesaid mixture or preparation the proportion of quinine is only intended to be so great as to effect the principal object of my Invention, that is to say, to neutralise the taste of the oil, but a
25 further portion of my present Invention has for its object to increase the medical efficacy of cod liver oil by adding to the said oil such a proportion of quinine as that each dose of the mixture shall contain a suitable dose of quinine, the said mixture being rendered palatable in manner as has been herein-before mentioned, as, for example, to the
30 proportions of sweet syrup, essence of lemon, and oil of aniseed, or other suitable aromatics as aforesaid I add about one scruple of quinine or sulphate or other suitable salt of cinchonia either with or without the addition of a small quantity of spirits of wine as may be desirable, and I add to such mixture about an equal bulk of cod liver oil or such pro-
35 portion of cod liver oil as may be found to be suitable. The mixture last described I term palatable cod liver oil with quinine. In some cases glycerine may be substituted wholly or in part for the sweet syrup employed in any of the afore-mentioned preparations or mixtures. It may be desirable in order to render either of the herein described

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mixtures more palatable or for other reasons to employ two or more varieties of sweet syrup, acid, or bitter, or of the aromatic flavouring oil, essence, or matter in combination with the oil. When preparing the aforesaid mixtures for sale I prefer to “put them up” in claret or maroon colored bottles, each bottle bearing the name of the oil contained therein with the prefix palatable, as, for example, “palatable cod liver oil,” “palatable castor oil,” and in the case of the mixture last described “palatable cod liver oil with quinine.” 5

Having now described the nature of my said Invention, and means for carrying the same into practical effect, I would have it to be distinctly understood that I claim, the treatment or preparation of cod liver oil, castor oil, and other medicinal oil employed as aforesaid in manner substantially as herein-before described, that is to say, the admixture therewith of a sweet syrup, or of sweet syrups, or of glycerine, of an aromatic flavouring matter, or of aromatic flavouring matters of the kind or kinds herein-before mentioned or indicated, and of a wholesome or tonic bitter or of wholesome or tonic bitters, in order not only to neutralise or disguise the nauseous taste and odour of the said oils but to render them comparatively pleasing to the palate and to the olfactory organs. And I also claim the methods of preparing the mixtures herein styled palatable castor oil and palatable cod liver oil with quinine substantially in manner as-herein-before indicated and described. 15 20

In witness whereof, I, the said George Wakefield Fox, have hereunto set my hand and seal, this Fifteenth day of March, in the year of our Lord One thousand eight hundred and seventy. 25

GEORGE WAKEFIELD FOX. (L.S.)

Signed and sealed by the said
George Wakefield Fox, in the
presence of

EDWARD K. DUTTON,
Agent to the Petitioner,
3, Smithy Door,
Manchester.

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LONDON:

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